



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Handwritten initials: B, Bm

Applicant: TABANI ET AL. Examiner: S. CHAUDHRY
Serial No.: 10/091,201 Group Art Unit: 1746
Filed: MARCH 5, 2002 Docket: 14605.1USI2
Confirmation No.: 6365 Notice of Allow. Date: OCTOBER 15, 2004
Title: METHOD FOR CLEANING HOLLOW TUBING AND FIBERS

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop ISSUE FEE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 21, 2004.

By: *[Signature]*
Name: Jennifer Bommentre

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



Sir:

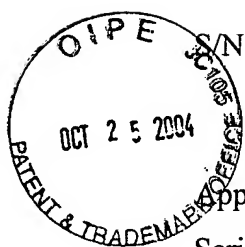
We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Communication
- ☒ Copy of Information Disclosure Statement mailed to United States Patent & Trademark Office on June 17, 2004
- ☒ Copy of Information Disclosure Statement mailed to United States Patent & Trademark Office on March 9, 2004.
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
P.O. Box 2903, Minneapolis, MN 55402-0903
612.332.5300

By: *[Signature]*
Name: Dennis R. Daley
Reg. No.: 34,994
DRD:jjb



S/N 10/091,201

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	TABANI ET AL.	Examiner:	S. CHAUDHRY
Serial No.:	10/091,201	Group Art Unit:	1746
Filed:	MARCH 5, 2002	Docket No.:	14605.1USI2
Title:	METHOD FOR CLEANING HOLLOW TUBING AND FIBERS		

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By:

Jennifer Bommentre

COMMUNICATION

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

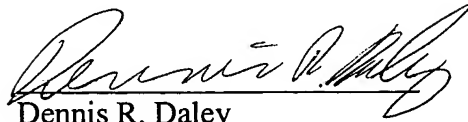
This is in response to the Notice of Allowance mailed on October 15, 2004. An Information Disclosure Statement was mailed to the United States Patent and Trademark Office on March 9, 2004 and another Information Disclosure Statement was mailed to the United States Patent and Trademark Office on June 17, 2004 in regard to the above-identified patent application. Copies of both Information Disclosure Statements are enclosed. The Examiner is requested to return copies of the Form-1449 documents with the Examiner's initials next to each listed reference indicating that each listed reference has been considered.

According to PAIR, both Information Disclosure Statements have been entered into the above-identified patent application.

Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
612/332-5300

Date: October 20, 2004



Dennis R. Daley
Reg. No. 34,994
DRD:jjb

23552

PATENT TRADEMARK OFFICE

FORM 1449*

INFORMATION DISCLOSURE STATEMENT

Docket Number:

14650.1US12

Application Number:

10/091,201

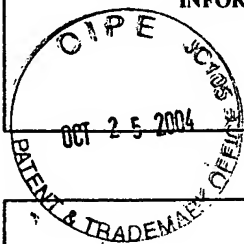
IN AN APPLICATION

(Use several sheets if necessary)

Applicant: TABANI ET AL.

Filing Date: MARCH 5, 2002

Group Art Unit: 1746



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,517,081	05/14/1985	AMIOET ET AL.			
	4,695,385	09/22/1987	BOAG			
	5,344,652	09/06/1994	HALL, II ET AL.			
	5,480,565	01/02/1996	LEVIN ET AL.			
	5,589,507	12/31/1996	HALL II, ET AL.			
	5,616,616	04/01/1997	HALL II, ET AL.			
	5,635,195	06/03/1997	HALL II ET AL.			
	5,656,302	08/12/1997	COSENTINO ET AL.			
	5,698,100	12/16/1997	LEVIN ET AL.			
	5,714,060	02/03/1998	KENLEY ET AL.			
	5,840,343	11/24/1998	HALL II, ET AL.			
	6,179,954	01/30/2001	KAWANA ET AL.			
	6,193,890	02/27/2001	PEDERSEN ET AL.			
	6,207,201	03/27/2001	PIACENZA			
	6,261,457	07/17/2001	WENTHOLD ET AL.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Leypoldt, John K. & Cheung, Alfred K., "Characterization of Molecular Transport in Artificial Kidneys," Artificial Organs, International Society for Artificial Organs, Vol. 20, No. 5, Pages 381-389, January 1996.

23552

PATENT TRADEMARK OFFICE

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 14605.1US12	Application Number: 10/091,201
	Applicant: TABANI ET AL.	
	Filing Date: 03/05/2002	Group Art Unit: 1746

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,881,563	11/21/1989	Christian			
	4,902,352	02/20/1990	Christian			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Azzopardi, B., "Drops in annular two-phase flow," <i>Int. J. Multiphase Flow</i> , Vol. 23, Suppl., pp. 1-53 (1997)
	Barajas, A. et al., "The effects of contact angle on two-phase flow in capillary tubes," <i>Int. J. Multiphase Flow</i> , Vol. 19, No. 2, pp. 337-346 (1993)
	Henstock, W. et al., "The Interfacial Drag and the Height of the Wall Layer in Annular Flows," <i>AIChE Journal</i> , Vol. 22, No. 6, pp. 990-999 (November 1976)
	Hewitt, G. et al., "Annular Two-Phase Flow," <i>Pergamon Press</i> , pp. v-vii, 1-20, chapters 1-2 (Date Unknown)
	Klauer, J., "Piping: An examination of pipe self cleaning in high-purity water systems," <i>Ultrapure Water</i> , pp. 56-60 (March 2001)
	Reinemann, D., "Dairy operators guide to milking machine cleaning and sanitation," <i>Paper written for presentation at the NRAES the Milking Systems and Parlors Conference</i> , 8 pages (January 30, 2001)
	Riedewald, F., "Biofilms in Pharmaceutical Waters," <i>Pharmaceutical Engineering</i> , 8 pages (November/December 1997)
	Tragardh, C., "Cleaning in air-water-flow," <i>Division of Food Engineering, Lund Engineering, Alnarp (Sweden)</i> , pp. 424-429 (Date Unknown)
	Triplett, K. et al., "Gas liquid two-phase flow in microchannels. Part 1: two-phase flow patterns," <i>International Journal of Multiphase Flow</i> , Vol. 25, pp. 377-380, 387-393 (1999)
	Woodmansee, D. et al., "Mechanism for the removal of droplets from a liquid surface by a parallel air flow," <i>Chemical Engineering Science</i> , Vol. 24, pp. 299-307 (1969)

23552

PATENT TRADEMARK OFFICE

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: TABANI ET AL. Examiner: S. CHAUDHRY
Serial No.: 10/091,201 Group Art Unit: 1746
Filed: MARCH 5, 2002 Docket: 14605.1USI2
Confirmation No.: 6365
Title: METHOD FOR CLEANING HOLLOW TUBING AND FIBERS

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 9, 2004.

By: K. V. A. W. A. C. H.

Name: K. V. A. W. A. C. H.

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

23552

PATENT TRADEMARK OFFICE

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Supplemental Information Disclosure Statement, Form 1449, 12 Reference(s)
- ☒ Check(s) in the amount of \$180.00 for filing Supplemental IDS after receipt of Office Action
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
P.O. Box 2903, Minneapolis, MN 55402-0903
612.332.5300

By: Dennis R. Daley
Name: Dennis R. Daley
Reg. No.: 34,994
DDaley:PLSkaw

S/N 10/091,201

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	TABANI ET AL.	Examiner:	S. CHAUDHRY
Serial No.:	10/091,201	Group Art Unit:	1746
Filed:	MARCH 5, 2002	Docket No.:	14605.1USI2
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By:

Name:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(c))

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted after the mailing date of a first Office Action on-the-merits or a first Office Action after filing a Request for Continued Examination under 37 C.F.R. § 1.114 or a CPA under 37 C.F.R. § 1.53(d), but before the mailing date of: i) a final action under 37 C.F.R. § 1.113; ii) a Notice of Allowance under 37 C.F.R. § 1.311; or iii) an action that otherwise closes prosecution on the application. Enclosed is a check in the amount of \$180.00 under 37 C.F.R. § 1.17(p) for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a



Receipt is hereby acknowledged for the following in the U.S. Patent and Trademark Office:

In re Application of: TABANI ET AL.
For: METHOD FOR CLEANING HOLLOW TUBING AND FIBERS
Docket No.: 14605.1US12 Serial No.: 10/091,201
Filed: MARCH 5, 2002

Date Mailed: March 9, 2004

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Patent

DDaley:PLSkaw

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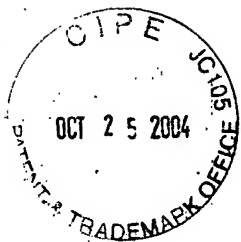
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DDaley:PLSkaw



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Docket No.: 14605.1US12

Serial No.: 10/091,201

Filed: MARCH 5, 2002

Date Mailed: June 17 2004

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Request For Continued Examination - Please charge Dep. Acct. #13-2725 fee of \$385.00 for Small Entity
- ☒ Amendment
- ☒ Information Disclosure Statement, Form 1449, 16 References
- ☒ Return postcard

Patent

DRD:jjb

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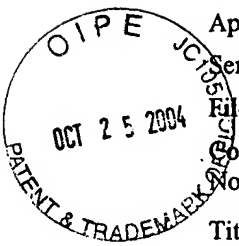
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Patent



DRD:jjb

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Applicant: TABANI ET AL.

Examiner: S. CHAUDHRY

Serial No.: 10/091,201

Group Art Unit: 1746

Filed: MARCH 5, 2002

Docket: 14605.1USI2

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Notice of Allow. Date: MARCH 17, 2004

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By: 
Name: Jennifer Bommentre

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



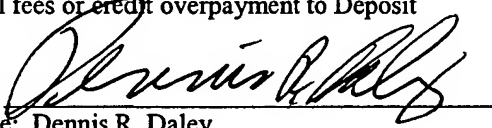
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By: 
Name: Dennis R. Daley
Reg. No.: 34,994
DRD:jjb



SYN 10/091,201

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By:

Name: Jennifer Bommentre

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Mail Stop RCE

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

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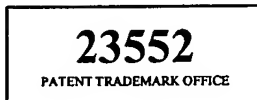
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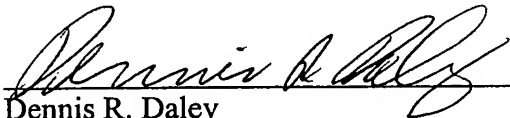
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Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
(612) 332-5300

Date: June 17, 2004




Dennis R. Daley
Reg. No. 34,994
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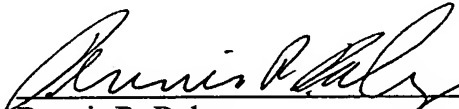
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Date: March 9, 2004


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